

Beginning-of-Course Diagnostic Test

Incoming 6th Grade

1. Write the place value of the underlined digit in $5\underline{2}3,411,396$.

2. Write the place value of the underlined digit in $40\underline{2},659$.

3. Round 742 to the tens place.

4. Round 4,078 to the hundreds place.

5. Round 116,830 to the thousands place.

Add.

$$\begin{array}{r} 6. \quad 4,208 \\ + 6,967 \\ \hline \end{array}$$

7. $591 + 79$

$$\begin{array}{r} 8. \quad 7,223 \\ + 4,279 \\ \hline \end{array}$$

9. $3,208 + 564$

10. four thousand sixty-two plus nine hundred eighteen

Subtract.

$$\begin{array}{r} 11. \quad 57 \\ - 42 \\ \hline \end{array}$$

12. $79 - 31$

$$\begin{array}{r} 13. \quad 8,841 \\ - 3,194 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 116,493 \\ - 90,287 \\ \hline \end{array}$$

15. $2,051 - 988$

16. nine thousand minus five hundred thirty eight

Multiply.

17. 594×8

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18. $1,174 \times 6$

27. $6,432 \div 24$

19. six thousand eighty-one times seven

28. $504 \div 24$

20. 54×917

29. $1,756 \div 29$

21. 806×255

30. $5 \overline{)1,016}$

22. one thousand sixty-nine times
forty-eight

Multiply using mental math.

31. $4,729 \times 10$

23. one hundred thirty-three times four
thousand, two hundred eighty-six

32. $462 \times 10,000$

Divide.

24. $6 \overline{)822}$

33. $706,215 \times 100$

25. $964 \div 6$

Divide using mental math.

34. $120 \div 10$

26. one thousand, two hundred eighty-seven
divided by nine

35. $17,000 \div 1,000$

36. $8,203,000 \div 100$